

## NOTES ICHTYOLOGIQUES

**ADDITIONS TO AND COMMENTS ABOUT THE MEDITERRANEAN FISHES IN THE MEDIFAUNE DATA BANK.** - Jesus MALLANAS, Department of Zoology, Faculty of Sciences, Autonomous University, 08193 - Bellaterra, Barcelona. SPAIN.

**ABSTRACT.** - This note confirms the presence in the Mediterranean Sea of 16 species not included by Fredj and Maurin (1987) in the Medifaune data bank. Two other species, *Coryphaenoides guentheri* and *Trisopterus luscus*, are also found in the mediterranean.

**RÉSUMÉ.** - Cette note confirme la présence, dans la Méditerranée, de 16 espèces non incluses dans la banque de données Médifaune par Fredj et Maurin (1987). De plus, *Coryphaenoides guentheri* et *Trisopterus luscus*, éliminées par ces auteurs, sont aussi des espèces méditerranéennes.

**Key-words :** Medifaune data bank .

This note has been stimulated by the recent review of Mediterranean ichthyofauna, based on the Medifaune data bank described by Fredj (1974), Fredj *et al.* (1986), and Fredj and Maurin (1987). Its aim is to aid to complete the above mentioned data bank, in order to obtain a more comprehensive of the mediterranean fish fauna.

The recent book on mediterranean fishes by Tortonese (1987) has been very useful in the preparation of this note. The species included in it has been divided into three groups : species not included in Medifaune ; species eliminated from Medifaune and doubtful species.

### Species not included in Medifaune

This group is composed of 16 species not recorded in Medifaune but which are certainly found in the Mediterranean. The species preceded by ! have also not been included in Whitehead *et al.* (1984, FNAM) perhaps because some of his contributors followed the *Clofnam* (Hureau and Monod, 1973) and the *Clofnam* supplement (Tortonese and Hureau, 1979) and doubted or ignored the data of previous authors.

*Galeus atlanticus* (Vaillant, 1882). Resurrected by Muñoz-Chápuli and Pérez Ortega (1985) and recorded from the Alboran sea.

! *Squalus megalops* (Mac Leay, 1882). Recorded by Muñoz-Chápuli *et al.* (1984) from the North Atlantic and the Alboran sea

*Bathysaurus mollis* Günther, 1878. Included in the FNAM (recorded once from the Mediterranean).

! *Parabathophilus gloriae* Matallanas, 1984. Described on the basis of a 102 mm standard length specimen captured at Blanes (Catalan sea).

! *Lampanyctus intricarius* Taning, 1928. Recorded by Allué and Rubiés (1984) from the Catalan sea.

*Enchelycore anatina* (Lowe, 1841). Included in the FNAM (Eastern Mediterranean).

! *Coryphaenoides carapinus* (Goode & Bean, 1883). Recorded from the Catalan sea by Matallanas (1984). According to Allué *et al.* (1985), this species occurs frequently in the Catalan sea between 100 and 2000 m.

! *Laemonema latifrons* Holt & Byrne, 1908. Recorded once from Mediterranean by Matallanas (1985).

! *Lepidion guentheri* (Giglioli, 1880). Recorded by Allué and Rubiés (1984) from the Catalan sea.

! *Entelurus aequoreus* (Linnaeus, 1758). According to Lozano Rey (1947) and Bauchot and Pras (1980), *E. aequoreus* is also a mediterranean species. The collection of the «Museo Nacional de Ciencias Naturales de Madrid (MNCNM)» contains three specimens collected from Malaga (27/V/1915), Mallorca and Villefranche-sur-Mer, respectively (Matallanas *et al.*, 1981).

! *Syngnathus rostellatus* Nilsson, 1855. Included by Bauchot and Pras (1980) in the mediterranean ichthyofauna («serait également dans le golfe de Gênes»). Recorded by Reina *et al.* (1982) from Malaga.

! *Nerophis lumbriciformis* (Jenyns, 1835). Recorded by Lozano Rey (1947) from Sete and Vinaroz. Included by Bauchot and Pras (1980) in the mediterranean ichthyofauna. The collection of the MNCNM contains a specimen from Vinaroz (october, 1934) (Matallanas *et al.*, 1981).

*Diplodus bellotti* (Steindachner, 1882). Included in the FNAM. The collection of the MNCNM contains 19 specimens from Malaga (december, 1916) and one from Melilla (Matallanas *et al.*, 1981).

! *Acanthurus monroviae* Steindachner, 1876. Recorded from the Alboran sea by Crespo and Garcia (1986).

*Hyperoglyphe perciformis* (Mitchill, 1818). Included in the FNAM (western Mediterranean).

! *Paraliparis murieli* Matallanas, 1984.

Described on the basis of two specimens caught at Blanes (Catalan sea) between 500 - 600 m.

! *Centrolabrus exoletus* (Linnaeus, 1758). Recorded from Málaga by Nuñez and Piote (1982).

#### Species eliminated from Medifauna

According to Fredj and Maurin (1987), 44 species have been mistakenly recorded from the Mediterranean and, consequently, they eliminate them. However, two of them, *Coryphaenoides guentheri* and *Trisopterus luscus*, must be retained.

*Coryphaenoides guentheri* (Vaillant, 1888). Included in the FNAME.

*Trisopterus luscus* (Linnaeus, 1758). For most modern authors with the exception of Svetovidov (1984) and of Fischer *et al.* (1987) the presence of this species in the Mediterranean is doubtful. However it is recorded by Lozano Rey (1960) from the Alboran sea (Malaga and Melilla) and from the Catalan sea (Vinaroz and Alcanar) (Matallanas *et al.*, 1981). Our collection contains two specimens of 161 and 155 mm of standard length respectively, captured using a trammel net at Blanes (Catalan sea). The morphometrics, in mm, and meristic characters in both specimens are as follows: Head length: 44,5 and 43; Body depth: 43,5 and 43; First anal fin base: 65 and 58; Pre-anal distance: 49 and 50; Eye diameter: 13 and 12,5; Barbel: 11,5 and 12,5; D1: 13 and 13; D2: 20 and 22; D3: 19 and 19; A1: 19 and 20; A2: 20 and 17.

Besides, the first anal origin is below first 1/3 of D1 in both specimens; anal fins confluent and dorsal ones in contact. The typical colouration of the species, present in live specimens, is lost but a conspicuous black spot at the pectoral fin base remains. All these characters fit the description of *T. luscus*.

#### Doubtful species

Some species, such as *Auxis thazard*, are doubtful (Fredj and Maurin, 1987), because their presence has not been confirmed. Others, such as *Spicara maena flexuosa* and *Gobius arenae* are doubtful because of taxonomic difficulties. However, in most of the cases the authors do not mention the reason of their doubts. Many of the doubtful species referred to by Fredj and Maurin (1987) such as *Sphyrna tudes* (Valenciennes, 1822), *S. lewini* (Griffith & Smith, 1834), *Caricharinus obscurus* (Lesueur, 1818), *C. melanopterus* (Quoy & Gaimard, 1824), *C. limbatus* (Valenciennes, 1841), *Rhinoptera marginata* (Geoffroy Saint-Hilaire, 1817), *Ophidion rochei* Müller, 1845 and *Pleuronectes platessa* Linnaeus, 1758, are included in the FNAME.

The doubtful presence of *Labrus bergylla* Ascanius, 1767, in the Mediterranean has been confirmed by Tortonese and Costa (1983).

The case of *Zeugopterus punctatus* (Bloch, 1787) is a particular example. Recorded once from Mediterranean by Lozano Rey (1919, 1947), its presence in the collection of the MNCNM has been confirmed by Matallanas (1984 d), but the possibility that labels have been mixed cannot be definitely excluded.

Doubts about *Ophidion rochei* Müller, 1845 may be due to its similar external appearance with *O. barbatum* Linnaeus, 1758, but both differ in several anatomical characters as well as different habitat preferences (Matallanas and Riba, 1980) and diet (Matallanas, 1980, 1981).

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